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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/797,239	
		Filing Date	March 9, 2004	
		First Named Inventor	Alan J. Heeger, et al.	
		Group Art Unit	2997	
		Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission			Attorney Docket Number	1279-404XX/10303106

### ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below)
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
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Remarks		

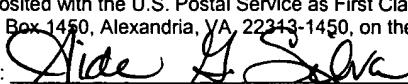
### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	FULBRIGHT & JAWORSKI L.L.P. Robert Berliner
Signature	
Date	September 10, 2004

#### Transmittal of Information Disclosure Statement

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail, in an envelope addressed to: Mail Stop: IDS, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

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AIDE G. SILVA

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Dated: Sept. 10, 2004

Signature:

(Aide G. Silva)

Docket No.: 1279-404XX  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
Alan J. Heeger, et al. )  
)  
Application No.: 10/797,239 ) Confirmation No.: 2997  
)  
Filed: March 9, 2004 ) Art Unit: 2811  
)  
For: **INJECTION LASERS FABRICATED** ) Examiner: Not Yet Assigned  
**FROM SEMICONDUCTING POLYMERS** )

### INFORMATION DISCLOSURE STATEMENT (IDS)

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P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed, as far as is known to the undersigned, before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)). No certification or fee is required.

A copy of each cited article on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information

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as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

A concise explanation of relevance of the items listed on form PTO/SB/08 is:

[ X] not given

[ ] given for each listed item

[ ] given for only non-English language listed items

[ ] in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references

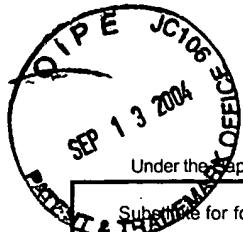
The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0337, under Order No. **1279-404XX/10303106**. A duplicate copy of this paper is enclosed.

Dated: September 10, 2004

Respectfully submitted,

  
By \_\_\_\_\_  
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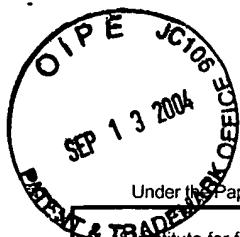


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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
				Application Number	10/797,239
				Filing Date	March 9, 2004
				First Named Inventor	Alan J. Heeger, et al.
				Group Art Unit	2997
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	1279-404XX/10303106

<b>U. S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA		5,237,582	08-17-1993	MOSES	
AB		5,881,083	03-09-1999	DIAZ-GARCIA, ET AL.	
AC					
AD					
AE					
AF					
<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BA					
BB					

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
CA		"Polymer Light-Emitting Electrochemical Cells", By QIBING PEI, et al.; <i>Science</i> , Vol. 269, August 25, 1995, pg. 1086			
CB		"Femtosecond Relaxation of Photoexcitations in a Poly (Para-Phenylene)-Type Ladder Polymer", By W. GRAUPNER, G. LEISING et al.; <i>Physical Review Letters</i> , Vol. 76, No. 5, January 29, 1996; pg. 847			
CC		"Laser Emission from Solutions and Films Containing Semiconducting Polymer and Titanium Dioxide Nanocrystals", By FUMITOMO HIDE, BENJAMIN J. SCHWARTZ, et al.; <i>Chemical Physics Letters</i> 256 (1996) 424-430; July 5, 1996			
CD		"Semiconducting Polymers: A New Class of Solid-State Laser Materials", By FUMITOMO HIDE, MARIA A. DIAZ-GARCIA, et al.; <i>Science</i> , Reprint Series, Sept. 27, 1996, Vol. 273, pp. 1833-1836			
CE		"Polymer Light-Emitting Electrochemical Cells; In Situ Formation of a Light-Emitting p - n Junction", By QIBING PEI, YANG YAN, GANG YU, et al.; <i>J. American Chemical Society</i> , 1996, 118, 3922-3929			
CF		"Cooperative Emission in $\pi$ -Conjugated Polymer Thin Films", By S.V. FROLOV, W. GELLERMANN, M. OZAKI, et al.; <i>Physical Review Letters</i> , Vol. 78, No. 4, January 27, 1997, pp. 729-732			
CG		"Plastic' Lasers: Comparison of Gain Narrowing with a Soluble Semiconducting Polymer in Waveguides and Microcavities", By MARIA A. DIAZ-GARCIA, FUMITOMO HIDE, et al.; <i>1997 American Institute of Physics</i> , Appl. Phys. Lett. 70 (24), June 16, 1997, pp 3191.			
CH		"Polymer Light-Emitting Electrochemical Cells with Frozen p-i-n Junction", By JUN GAO, GANG YU, ALAN J. HEEGER, et al.; <i>1997 American Institute of Physics</i> , Appl. Phys. Lett. 71			



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 Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/797,239
<i>(use as many sheets as necessary)</i>				<b>Filing Date</b>	March 9, 2004
				<b>First Named Inventor</b>	Alan J. Heeger, et al.
				<b>Group Art Unit</b>	2997
				<b>Examiner Name</b>	Not Yet Assigned
Sheet	2	of	2	<b>Attorney Docket Number</b>	
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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

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